

## 1. Features

- Typical 1dB Bandwidth of 27.45 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

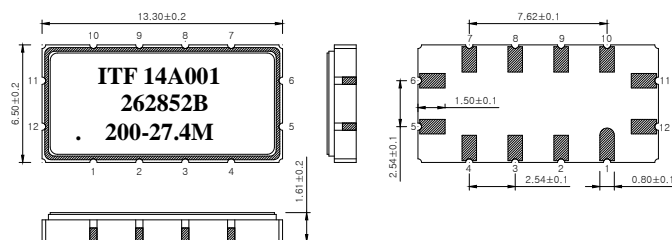
Tested by SGS Testing Korea

## 2. Electrical Specifications

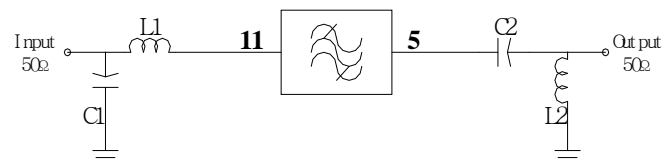
Source and Load Impedance = 50

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	200.0	-
Insertion Loss	dB	-	12.8	14.5
1dB Bandwidth	MHz	26.9	27.45	-
3dB Bandwidth	MHz	-	28.75	-
30dB Bandwidth	MHz	-	33.1	33.5
40dB Bandwidth	MHz	-	34.0	34.5
Amplitude Ripple (fo ± 12.5 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 12.5 MHz)	nsec	-	30	60
Absolute Delay	usec	-	0.69	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

**S1365 Package Dimension**



**Matching Schematic**



**C1 = 51pF, L1 = 12nH, C2 = 36pF, L2 = 27nH**

Dimensions shown are nominal in millimeters

Body : Al<sub>2</sub>O<sub>3</sub>

Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

**Pin Configuration**

Pin Configuration			
<b>Input</b>	<b>11</b>	<b>Ground</b>	<b>6, 12</b>
<b>Output</b>	<b>5</b>	<b>Others</b>	<b>Ground</b>

### 3. Typical Performance ( at +25°C )

